

IN THE CLAIMS:

Please cancel Claims 1-28 without prejudice or disclaimer of the subject matter recited therein.

Please add new Claims 29-37 as follows.

Claims 1-28. (Cancelled).

29. (New) A drive circuit, comprising:

a plurality of current signal generation circuits for outputting a current signal to each of a plurality of output units;

a current signal output line to which outputs of said plurality of current signal generation circuits are commonly connected;

a control circuit for controlling each of said plurality of current signal generation circuits to be a current signal output state capable of evaluating an output of one of said plurality of current signal generation circuits on a basis of current values output through said current signal output line;

a correction value output circuit for evaluating the output of one of said plurality of current signal generation circuits on a basis of the current values output through said current signal output line to output a correction value according to an evaluation result; and

a correction circuit for correcting an image signal supplied to said current signal generation circuits by means of the correction value.

30. (New) A drive circuit according to claim 29, wherein said control circuit supplies a predetermined signal to one of said current signal generation circuits, and supplies a signal different from the predetermined signal to the other current signal generation circuits.

31. (New) A drive circuit according to claim 30, wherein the different signal is a signal such that a current value of a current signal output from each of the other or others of the current signal generation circuits, to which the different signal has been supplied, is made smaller than a current value of the current signal output from said one of said current signal generation circuits.

32. (New) A device circuit according to claim 29, further comprising a switch for realizing a state in which said current signal output line is connected to said plurality of current signal generation circuits simultaneously.

33. (New) A device circuit according to claim 29, further comprising a plurality of switches for controlling connection relations between said plurality of current signal generation circuits and said current signal output line, said plurality of switches being controlled by a common control signal.

34. (New) A drive circuit according to claim 29, further comprising a plurality of switches for severally controlling connection relations between said plurality of current signal generation circuits and said output units, said plurality of switches being controlled by a common control signal.

35. (New) A drive circuit according to claim 29, wherein said current signal generation circuit includes a circuit for outputting a current signal having a squared value of a value of an input signal, and said correction value output circuit outputs a correction value obtained by calculating a square root of a ratio of an output evaluation value of said said-current signal generation circuit to a reference value.

36. (New) A drive circuit according to claim 35, wherein said correction value output circuit includes a calculation circuit for calculating the square root, and the calculation is an approximation calculation performed by classifying according to a value of the ratio of the output evaluation value to the reference value.

37. (New) An evaluation method of a drive circuit including a plurality of current signal generation circuits for outputting a current signal to each of a plurality of output units, comprising steps of:

connecting outputs of said plurality of current signal generation circuits to a common current signal output line;

controlling said plurality of current signal generation circuits to a current signal output state in which an output of one of said current signal generation circuits can be evaluated on a basis of current values output through said current single output line; and
evaluating an output of one of said current signal generation circuits on a basis of the current values output through said current single output line.